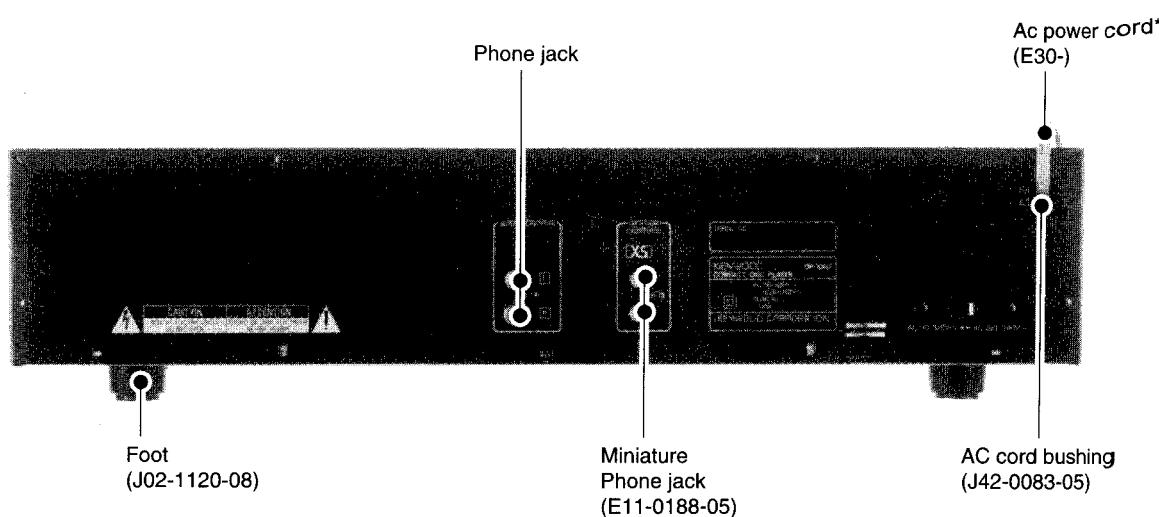
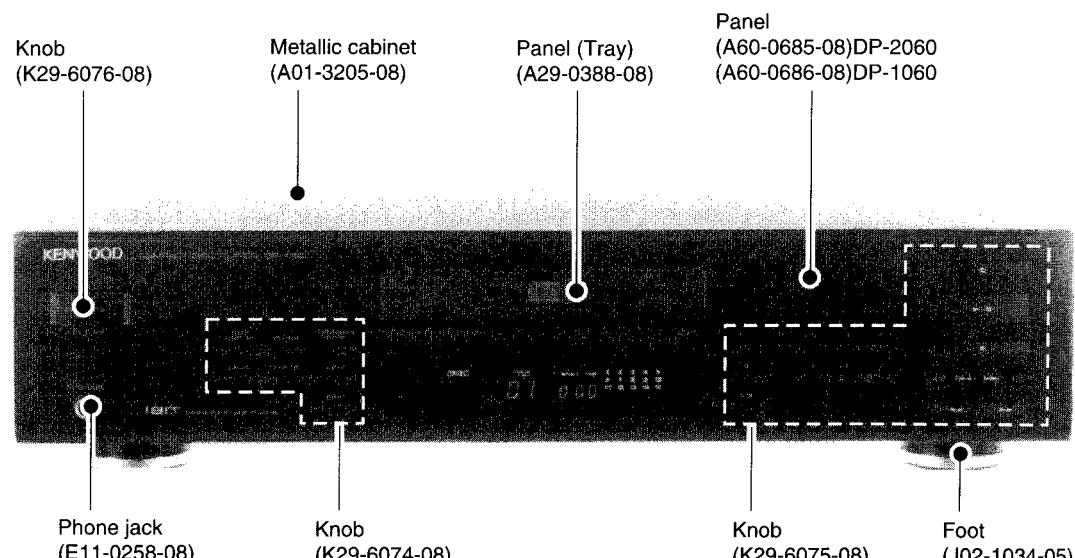


COMPACT DISC PLAYER
DP-1060/2060
SERVICE MANUAL

KENWOOD

©1994-9 PRINTED IN KOREA
B51-4978-00 (K) 3880



In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

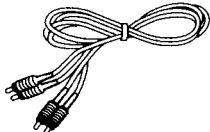
**Photo is DP-1060
External view of DP-2060 is same as DP-1060**

DP-1060/2060

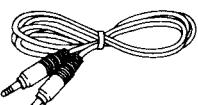
ACCESSORIES/CAUTIONS

Accessories

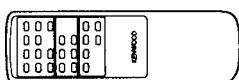
- Audio cord 1
(E30-0505-05)



- System control cord 1
(E30-2733-05)

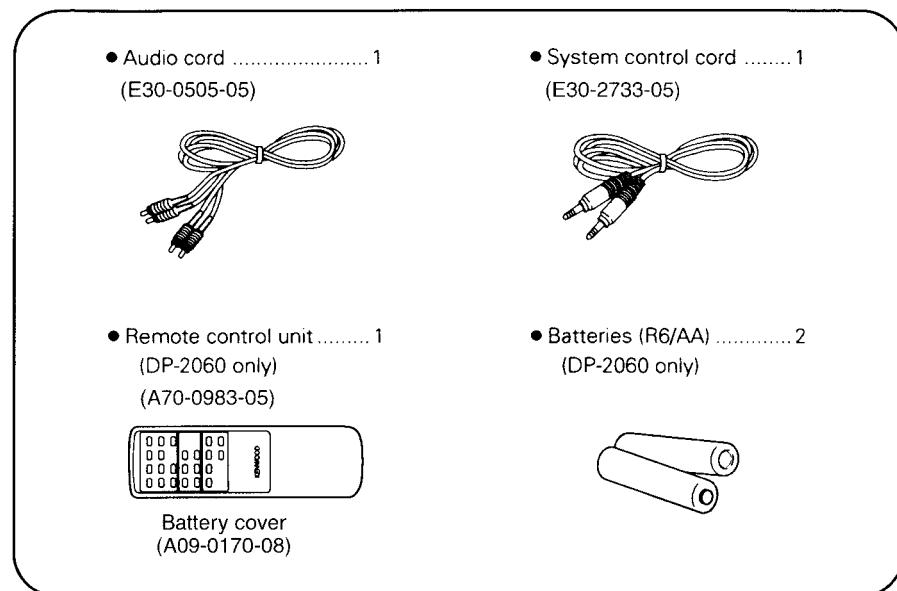


- Remote control unit 1
(DP-2060 only)
(A70-0983-05)



Battery cover
(A09-0170-08)

- Batteries (R6/AA) 2
(DP-2060 only)

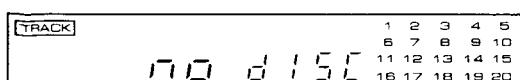


Cautions

Note related to transportation and movement

Before transporting or moving the CD PLAYER, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Turn the power OFF.



Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced.

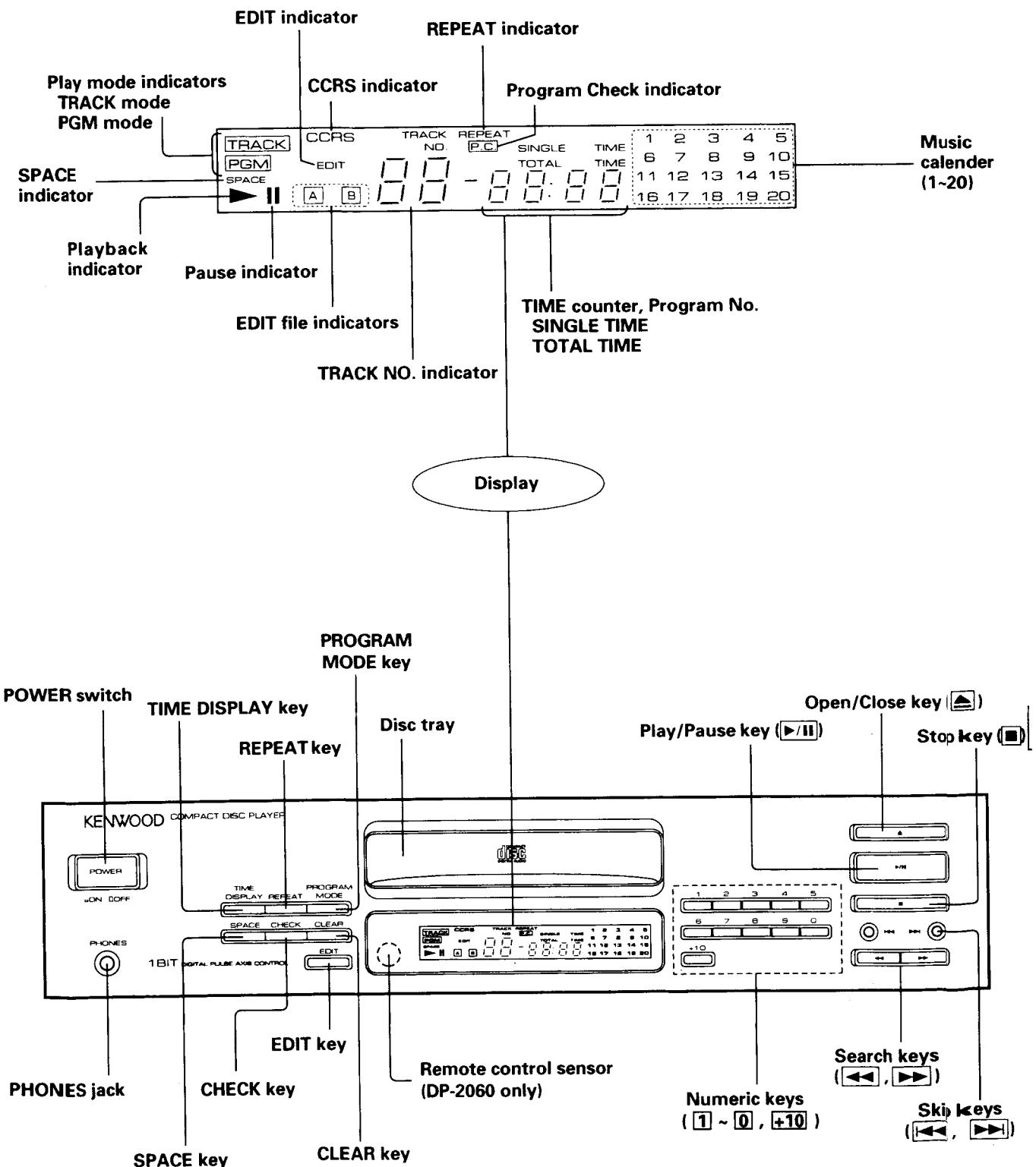
If condensation occurs, correct operation may not be possible, or the unit may not function correctly.

This is not a malfunction, however, the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

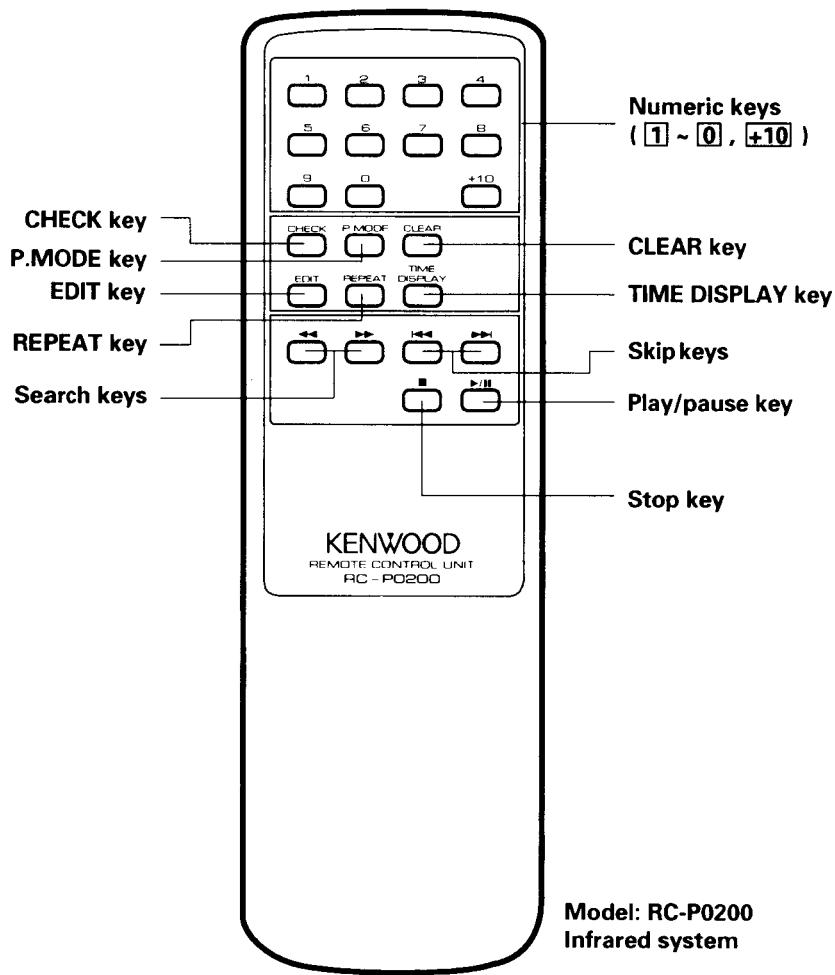
CONTROL



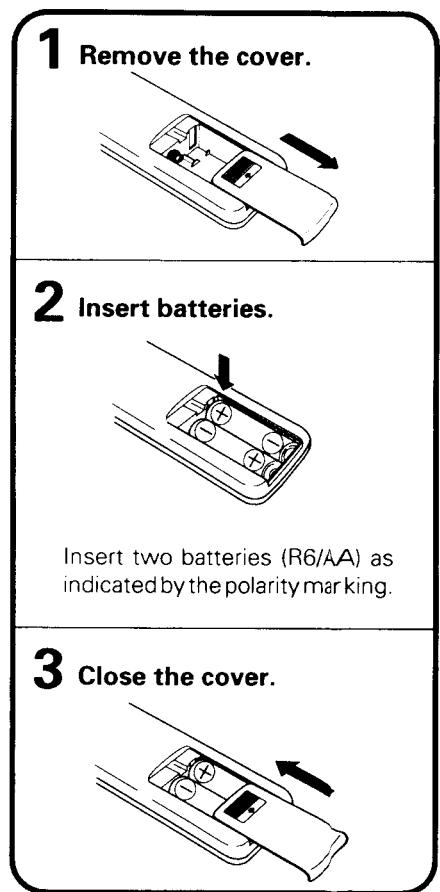
DP-1060/2060

REMOTE CONTROL

The operations of each are the same as those of the keys in the unit.

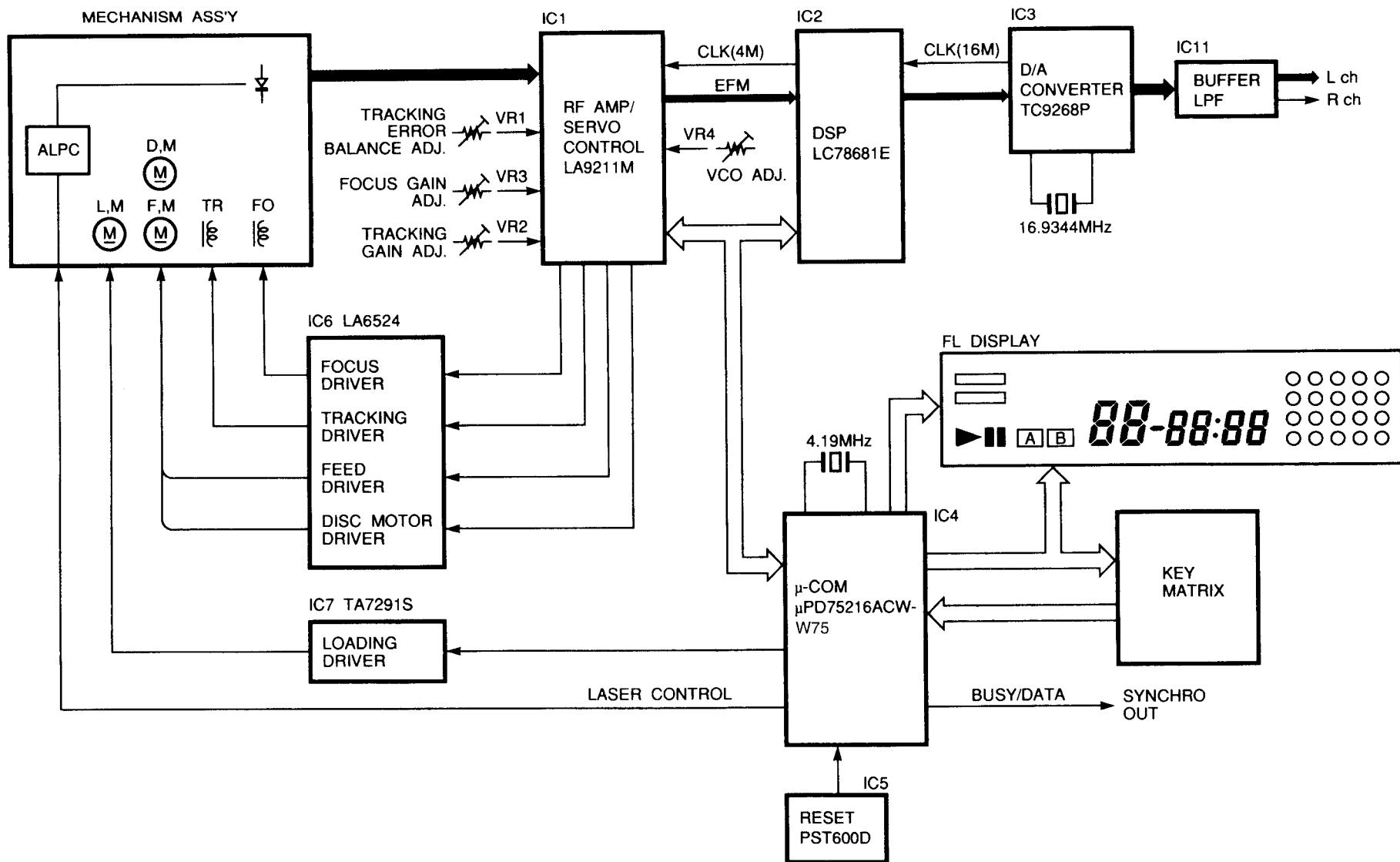


■ Loading batteries



DP-1060/2060

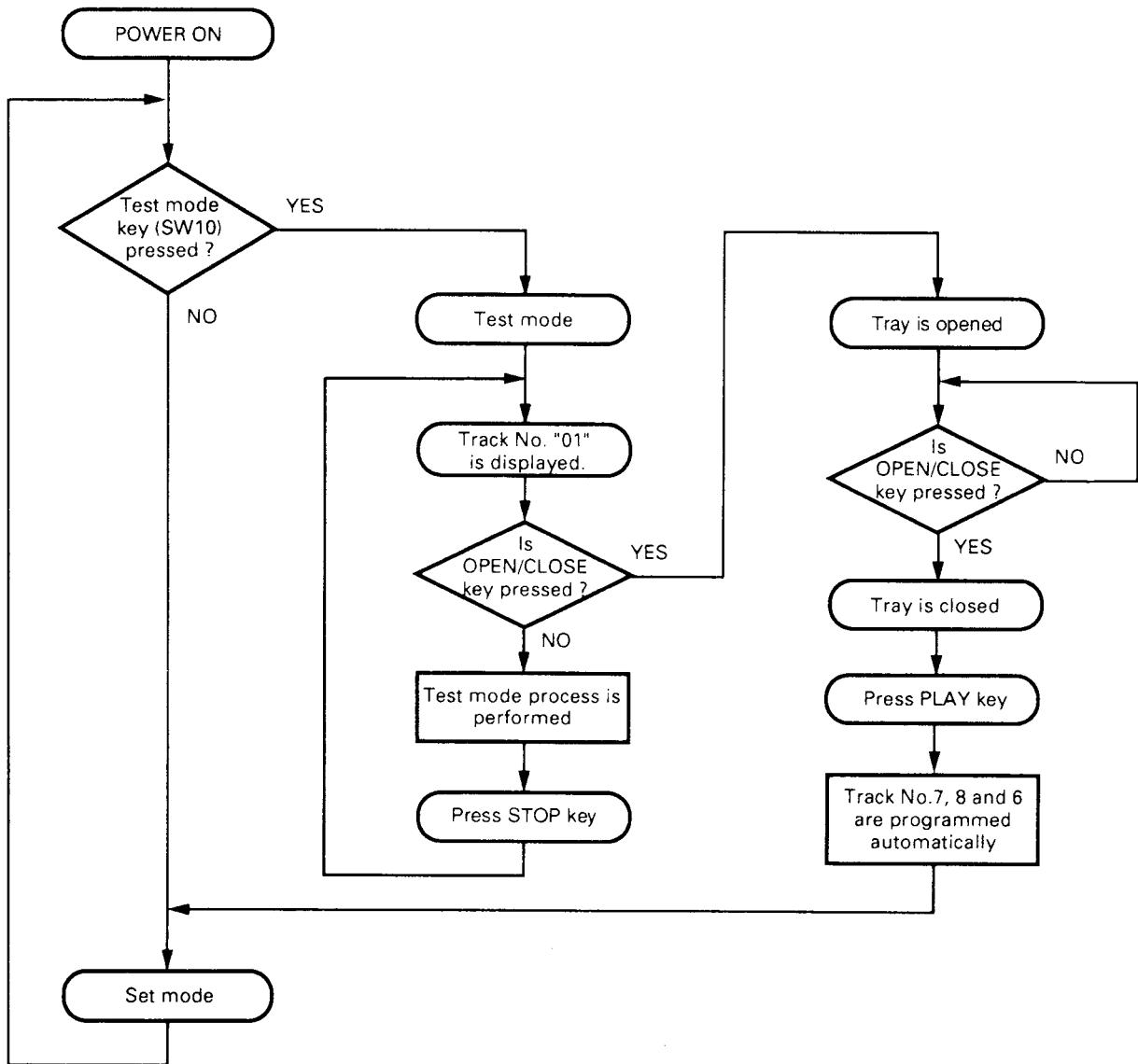
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Test mode**1-1. Setting the test mode**

This microprocessor built in this unit can be put to TEST MODE (SW10).



CIRCUIT DESCRIPTION

1-2. Key and functions valid in test mode

No.	Input key	Function	Track No. display																																				
1	PLAY	(1) Focusing servo ON (2) Tracking servo ON (3) Feed servo ON	TRACK NO. 05 ↓ Displayed for a few seconds after completion (1), (2) and (3). ↓ Disc Track No. is displayed.																																				
2	CHECK or Number "0" key	(1) Focusing servo ON (2) Tracking servo OFF (3) Feed servo OFF	TRACK NO. 03																																				
3	STOP	(1) Focusing servo OFF (2) Tracking servo OFF (3) Feed servo OFF	TRACK NO. 01																																				
4	►►	In the STOP mode, moves the pickup slightly toward the outer position of disc. When feed servo is ON, sets the track gain to "H".	-																																				
5	◀◀	In the STOP mode, moves the pickup slightly toward the inner position of disc. When feed servo is ON, sets the track gain to "L".	-																																				
6	UP ►►	Turns all FL display lamps ON.	TRACK NO. 88																																				
7	DOWN ◀◀	Turns all FL display lamps OFF. "TRACK NO." is lighted.	TRACK NO. 88																																				
8	+10	Playback Track No.1 under High-speed mode (If not open tray, SPACE key function is available.)	-																																				
9	SPACE	Set playback mode to High-speed or Normal.	-																																				
10	P. MODE	Track No. 7,8, and 6 (High-speed) are programmed and playback from Track No.7. The test mode is canceled.	-																																				
11	OPEN/CLOSE	When the tray is opened then closed. Track No. 7, 8, and 6 are programmed and set in STOP mode. The test mode is canceled.	TRACK NO. 00																																				
12	Numeric key (1 ~ 9)	Jumps tracks as shown below. <table border="1"> <tr> <td>Key</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>Number of tracks</td> <td>1</td> <td>4</td> <td>128</td> <td>512</td> <td>1000</td> </tr> <tr> <td>Direction</td> <td colspan="5">Outer</td> </tr> <tr> <td>Key</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>/</td> </tr> <tr> <td>Number of tracks</td> <td>1</td> <td>4</td> <td>128</td> <td>512</td> <td>/</td> </tr> <tr> <td>Direction</td> <td colspan="5">Inner</td> </tr> </table>	Key	1	2	3	4	5	Number of tracks	1	4	128	512	1000	Direction	Outer					Key	6	7	8	9	/	Number of tracks	1	4	128	512	/	Direction	Inner					-
Key	1	2	3	4	5																																		
Number of tracks	1	4	128	512	1000																																		
Direction	Outer																																						
Key	6	7	8	9	/																																		
Number of tracks	1	4	128	512	/																																		
Direction	Inner																																						
13	REPEAT	(1) Tray Opened (2) Laser ON The REPEAT function is canceled when the tray is closed by pressing the tray. "REPEAT" figures is lighted.	TRACK NO. 02																																				

REPEAT mode : Press "REPEAT" key → Press "OPEN/CLOSE" key → Press "REPEAT" key...

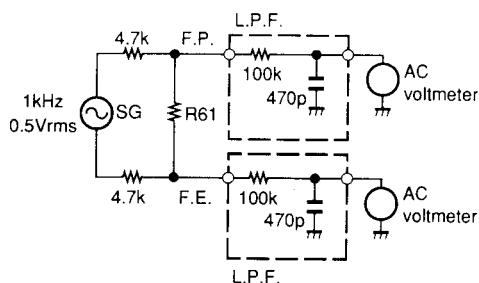
ADJUSTMENT

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	VCO	Test disc Type 4	Connect the frequency counter to "VCO" and GND.	Turn on the SW10 (TEST MODE) to enter the test mode. Press the STOP key. Then, confirm that the display is "01"	VR4	4.05MHz±15kHz	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect the oscillo- scope to "T.ER".	Press the OPEN/CLOSE key to open the tray. Reset to TEST mode Then, press the CHECK key. Confirm that the display is "03".	VR1	Symmetry between upper and lower patterns, or DC=0±0.05V	(b)
3	FOCUS GAIN	Test disc Type 4 Apply signal of 1kHz, 0.5Vrms to R61(F.P.- F.E.).	Connect a LPF to R61 (F.P.- F.E.) , to which connect two AC voltmeters.	Press the PLAY key Confirm that the display is "05".	VR3	Two VTVMs should read the same value.	(c)
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1kHz, 0.5Vrms to R63(T.P.- T.E.).	Connect a LPF to R63 (T.P.- T.E.) , to which connect two AC voltmeters.	Press the PLAY key Confirm that the display is "05".	VR2	Two VTVMs should read the same value.	(d)
5	H.F. LEVEL CONFIRMATION	Test disc Type 4	Connect the oscillo- scope to "H.F.".	Press the PLAY key Confirm that the display is "05".	-	1.5Vp-p ~ 1.5Vp-p	(e)

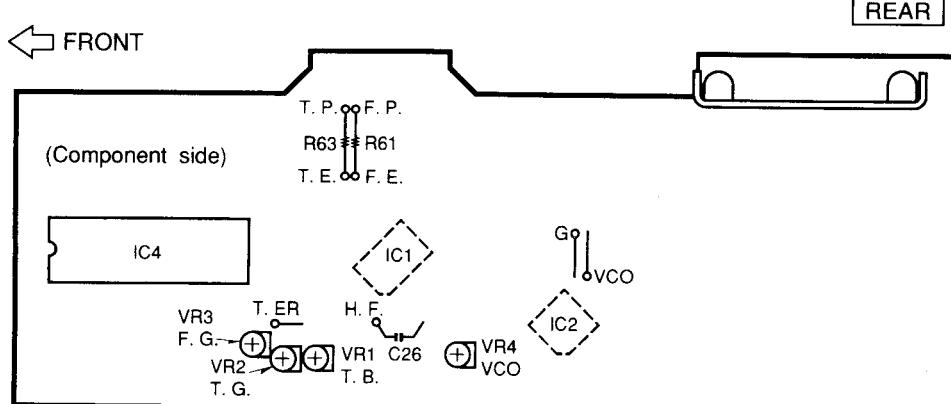
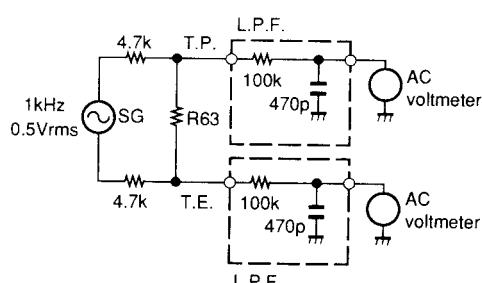
(NOTE) Type 4 disc : SONY YEDS-18 TEST DISC or equivalent.

Adjustment procedures are in TEST MODE.

(c) Focus gain

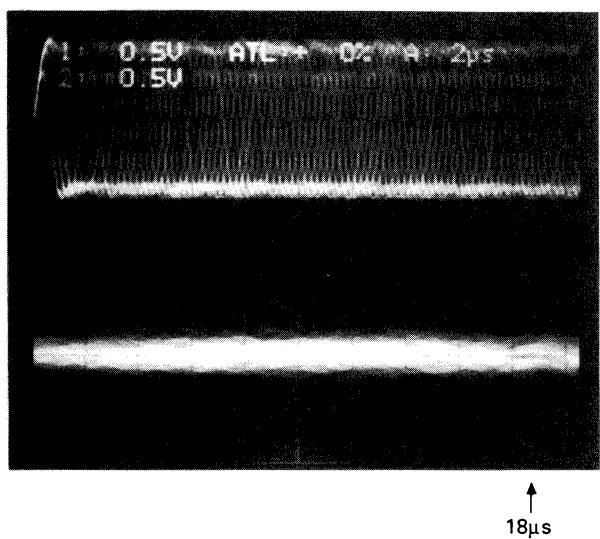


(d) Tracking gain



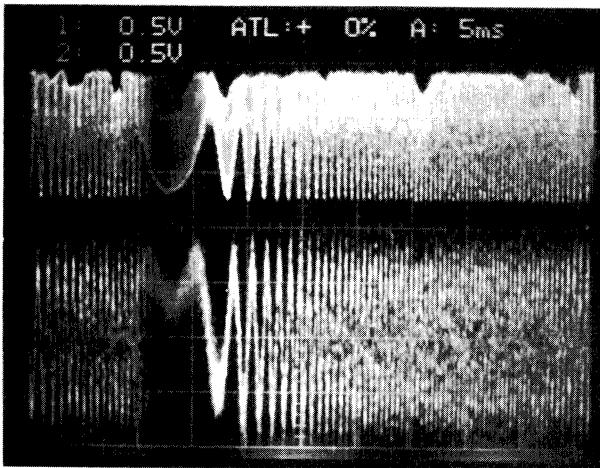
ADJUSTMENT

RF level, TE waveform



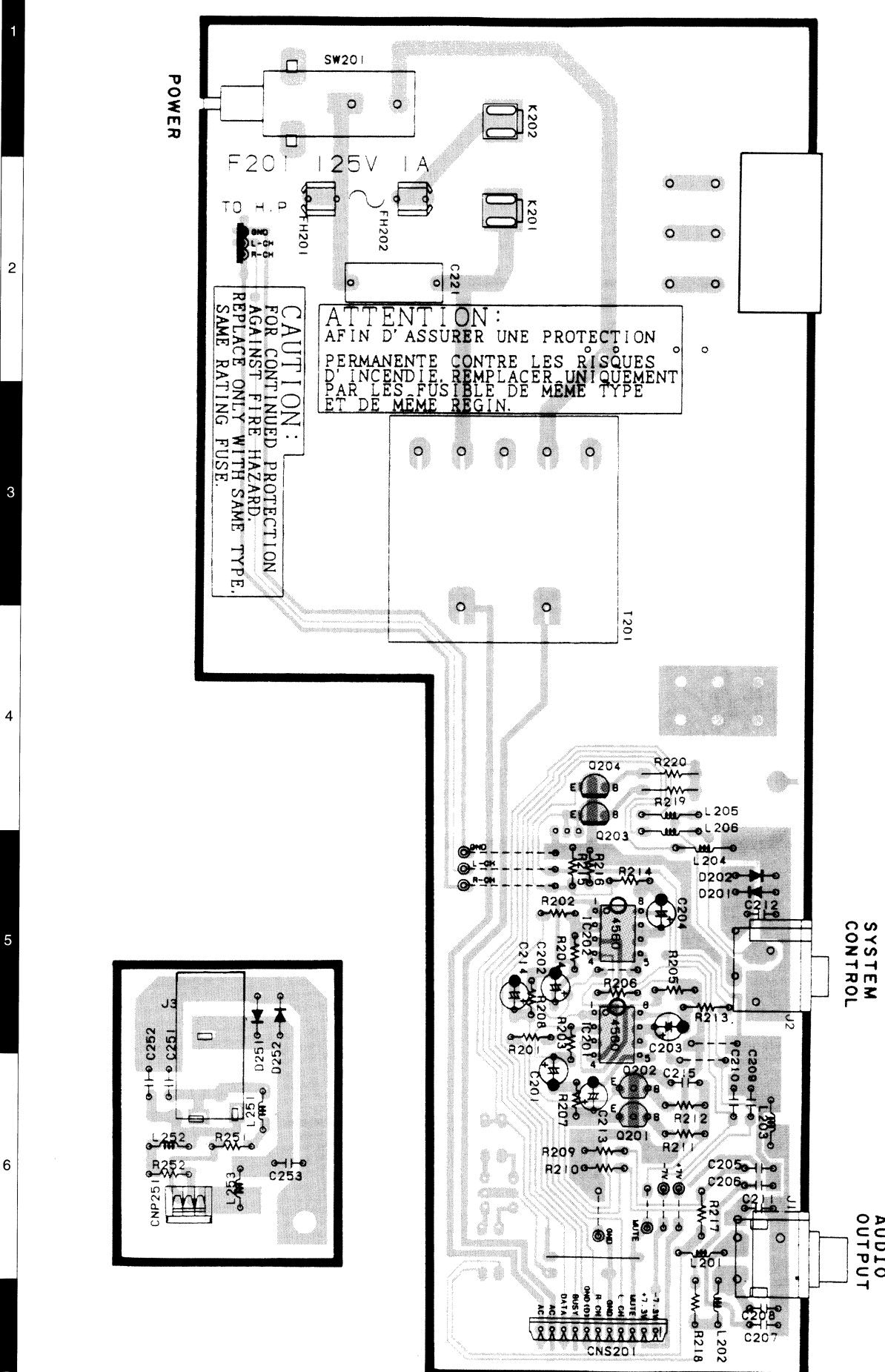
- RF signal and E.Spot signal in test mode (PLAY).
- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of approx. 18µs after RF signal, in the form of a projection.

(b) Tracking error balance



- RF signal and T.Error signal; in test mode (Focusing ON). (Disc type 4)
- Adjust T.Error so that the waveform is symmetrical above and below 0V. (VR 1)

PC BOARD (COMPONENT SIDE VIEW)

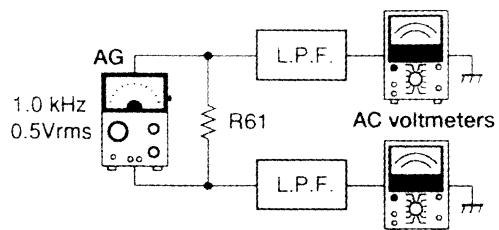


Refer to the schematic diagram for the value of resistors and capacitors.

A PC BOARD (COMPONENT SIDE VIEW)

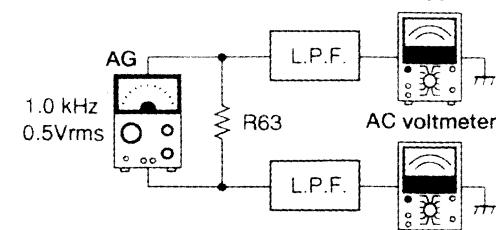
(c) Focus gain :

Two VTVMs shuld read the same value.



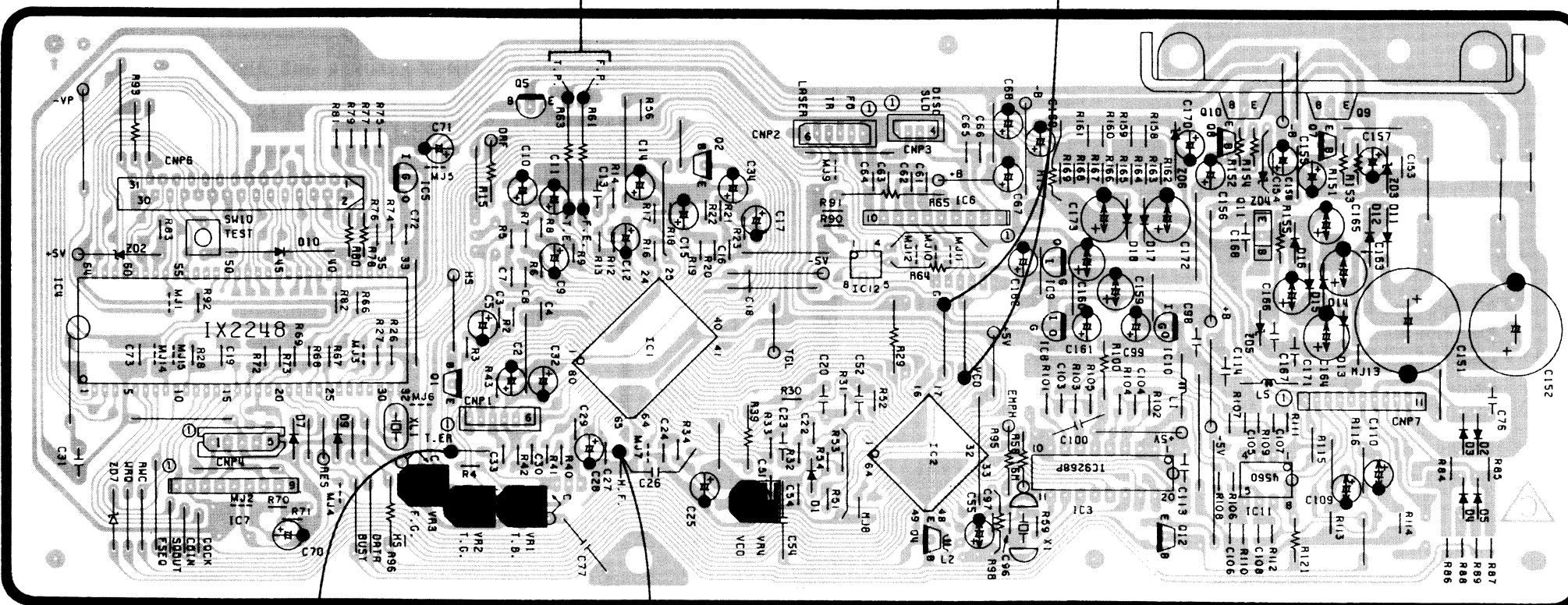
(d) Tracking gain :

Two VTVMs shuld read the same value.



Frequency counter

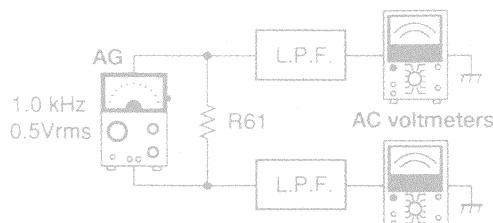
(a) VCO : $4.05\text{MHz} \pm 15\text{kHz}$



A PC BOARD (COMPONENT SIDE VIEW)

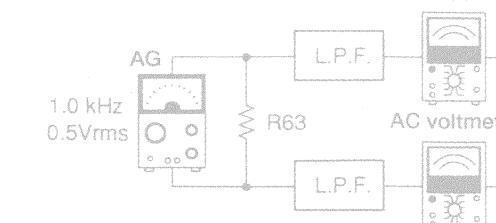
(c) Focus gain :

Two VTVMs shuld read the same value.



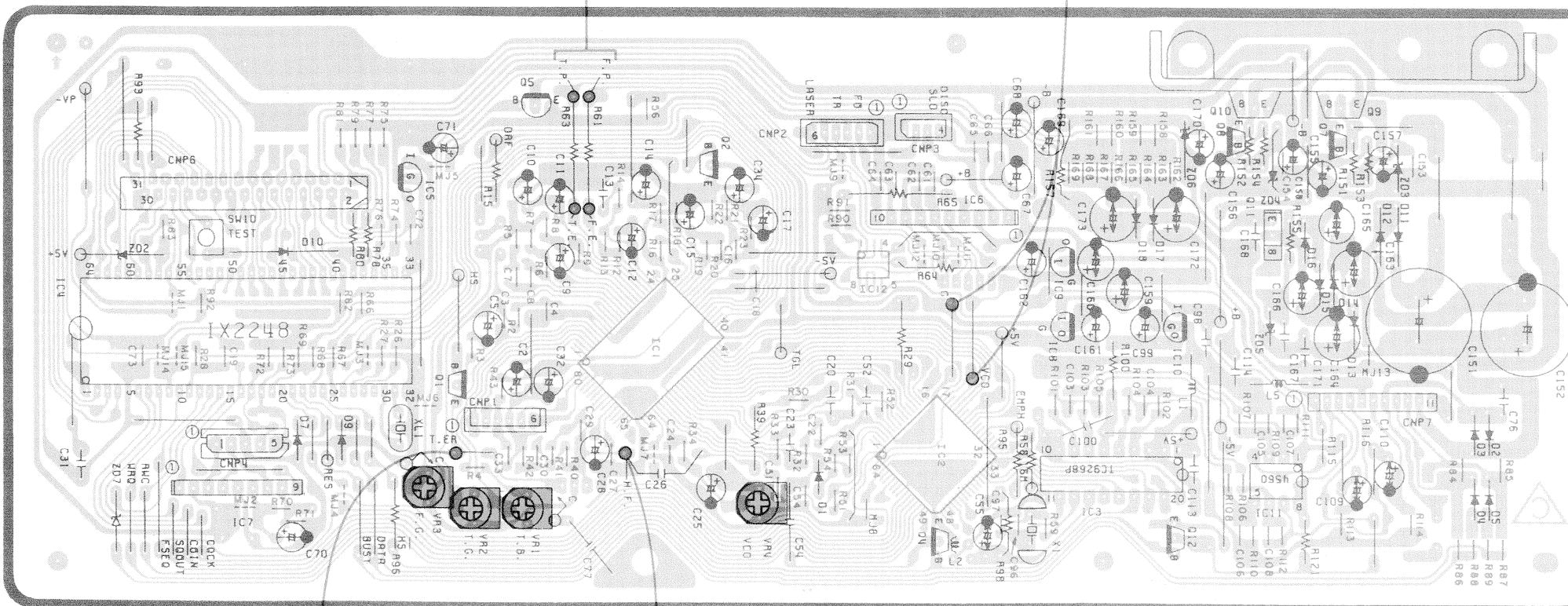
(d) Tracking gain :

Two VTVMs shuld read the same value.



Frequency counter

(a) VCO : $4.05\text{MHz} \pm 15\text{kHz}$



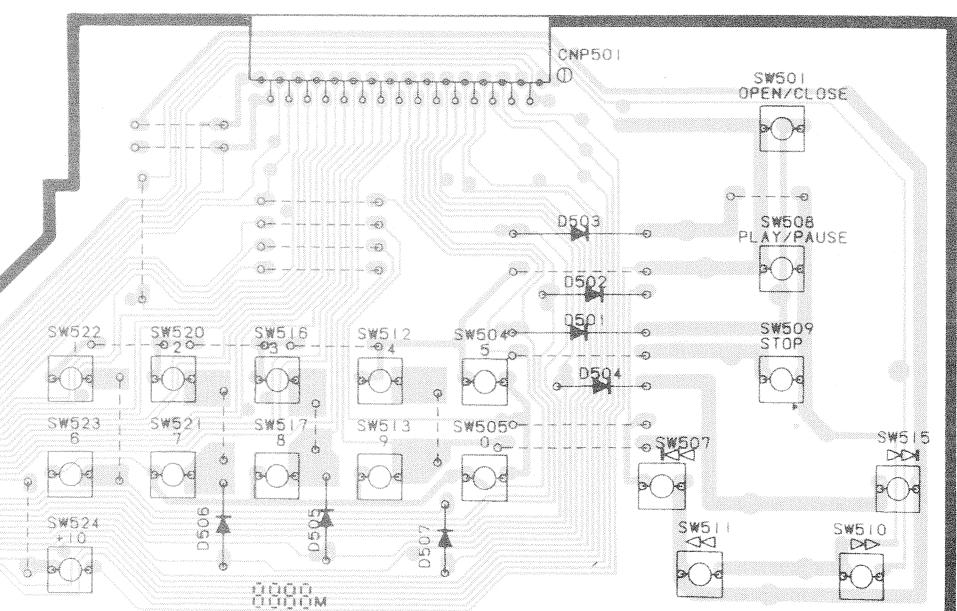
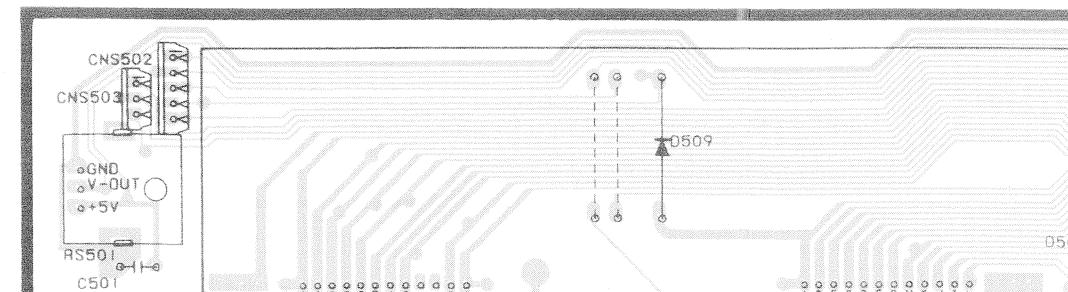
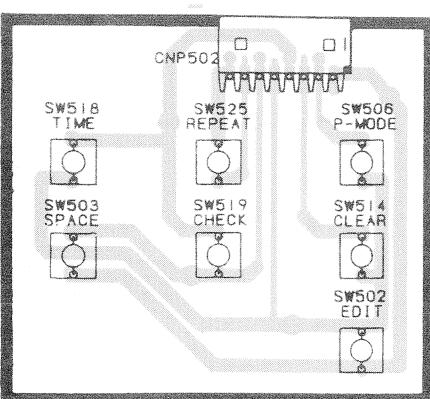
(b) Tracking error balance :

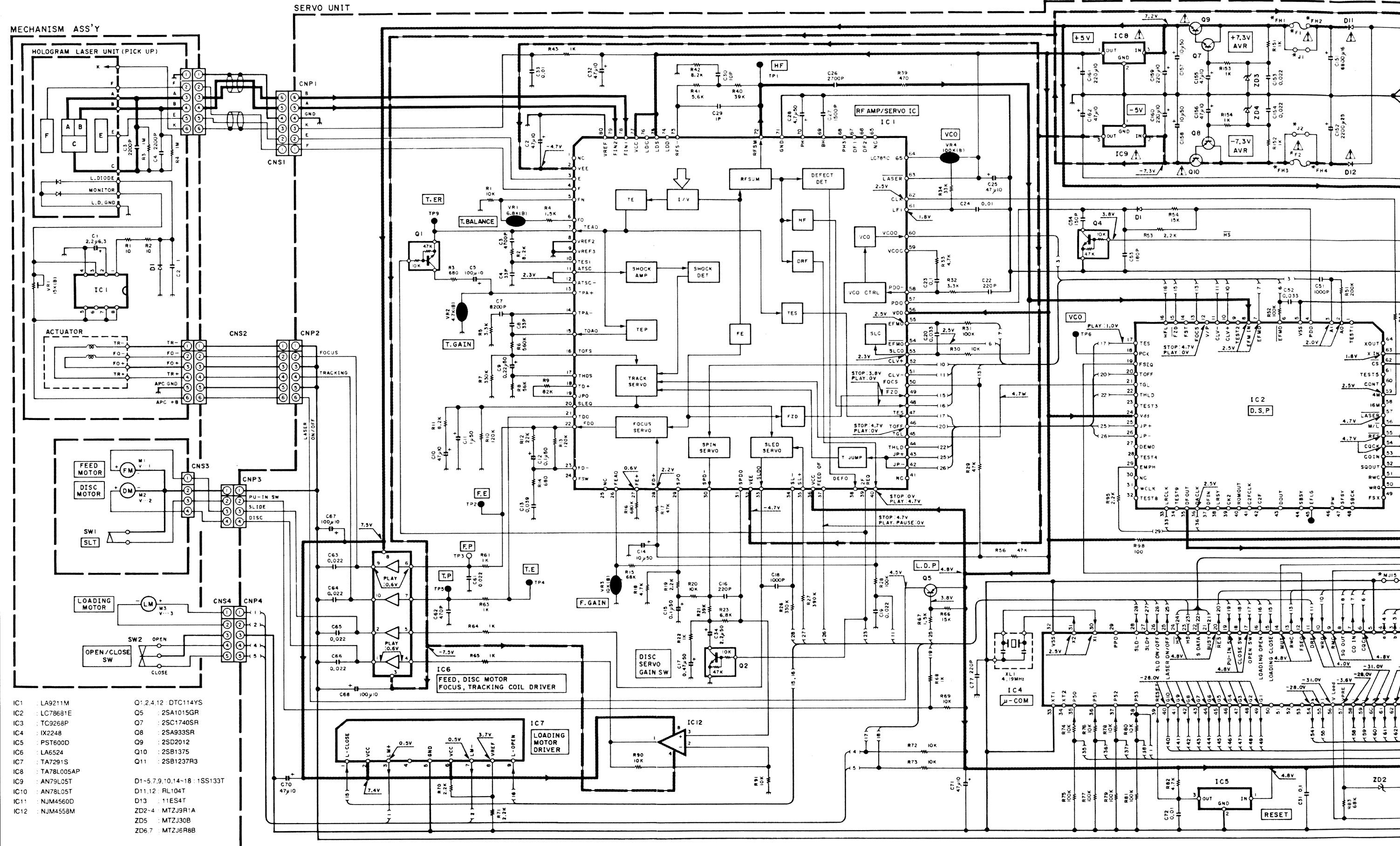
Symmetry between upper and lower or $\text{DC}=0 \pm 0.05\text{V}$

Oscilloscope

(e) H.F Level confirmation :
 $1.5\text{Vp-p} \sim 2.5\text{Vp-p}$

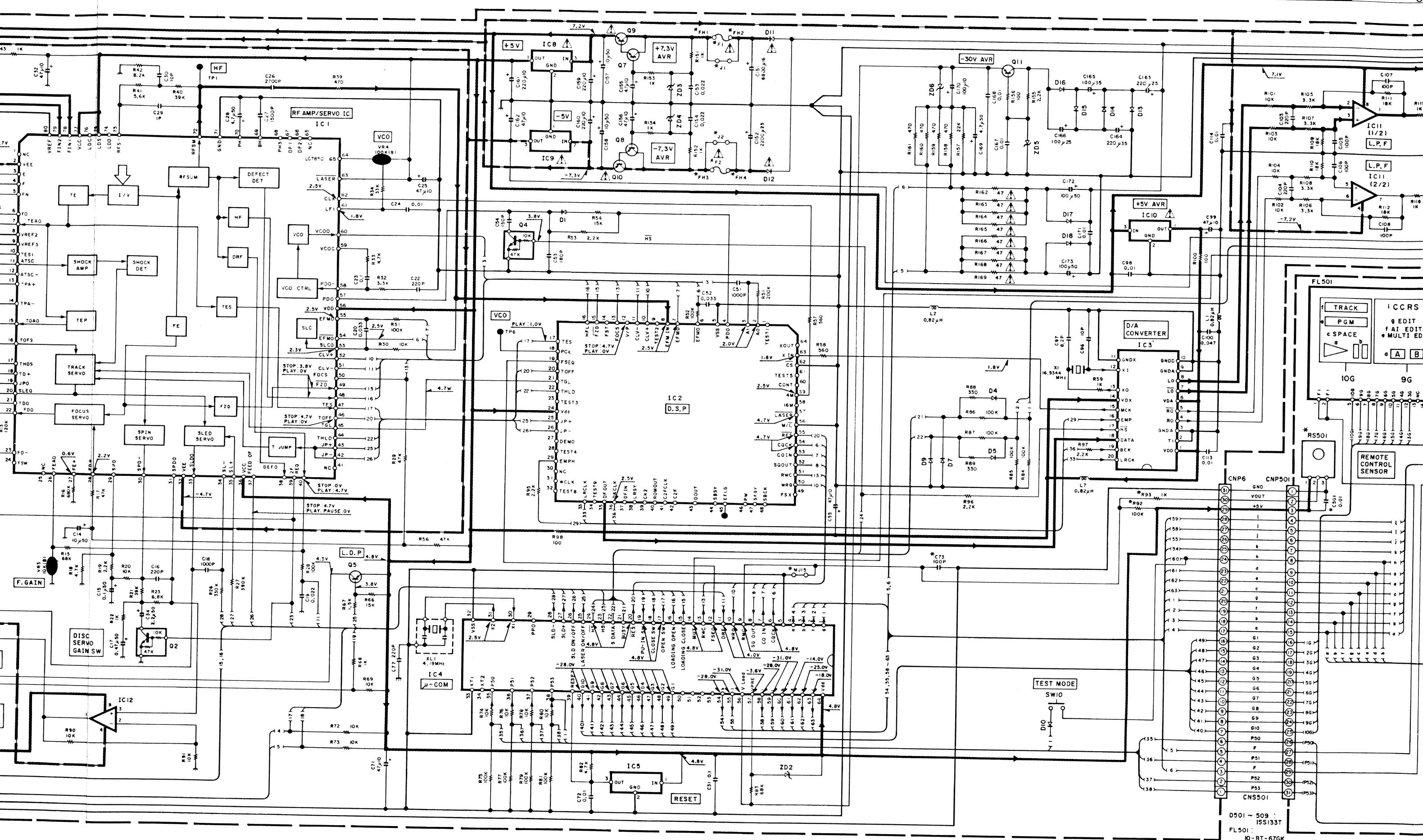
Oscilloscope





CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to individual instruments or/and units.

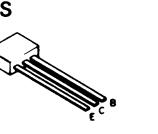


recommended parts (refer to parts list). Δ indicates safety critical components.
carried out (exposed parts are acceptably insulated from the supply circuit)

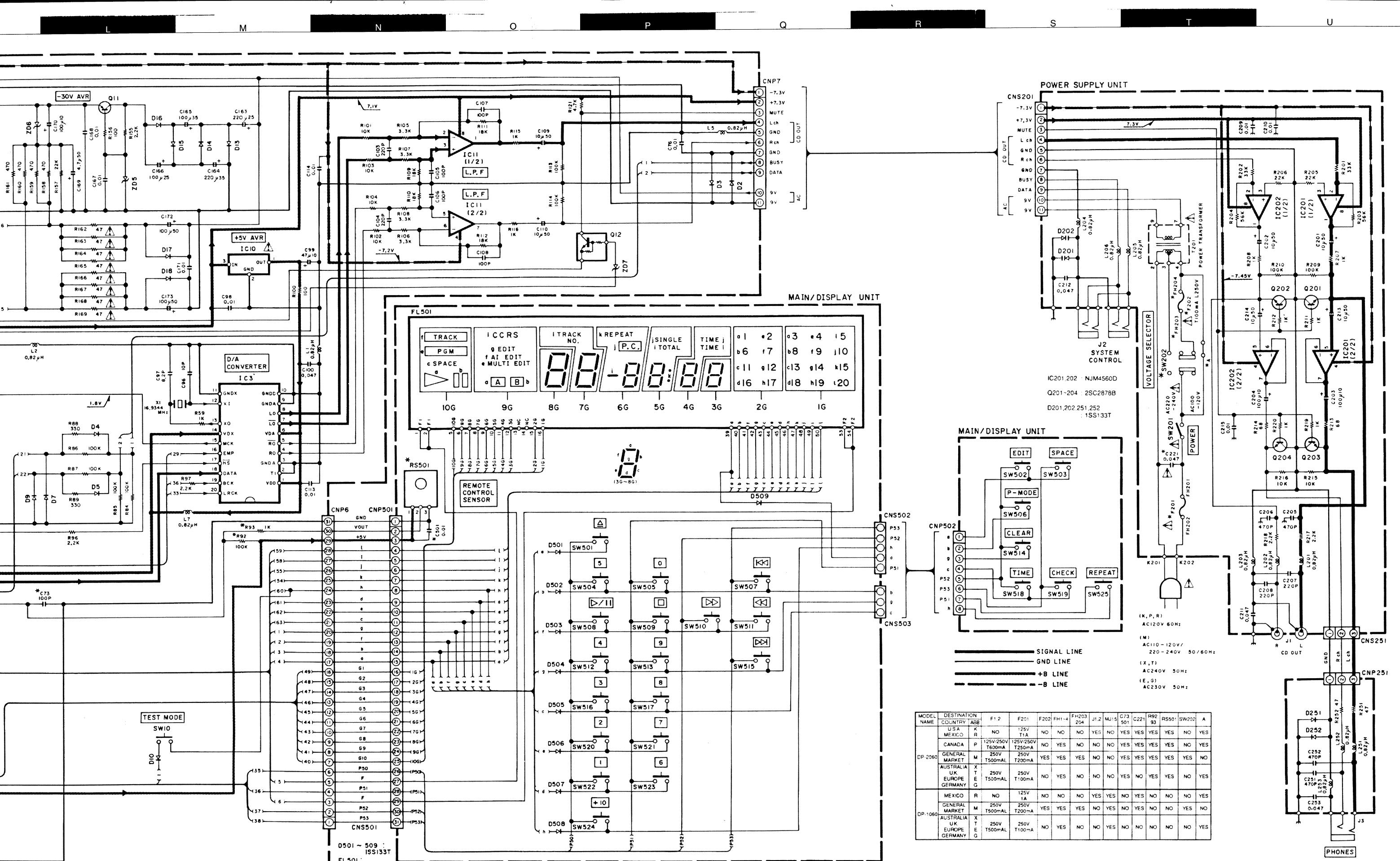
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

TC114YS

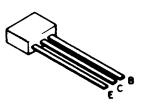
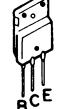
SB1375
SD2012



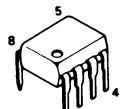
NJM4560D



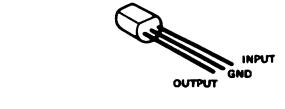
DTC114YS

2SB1375
2SD2012

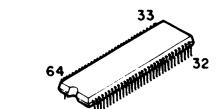
NJM4560D



TA78L005AP



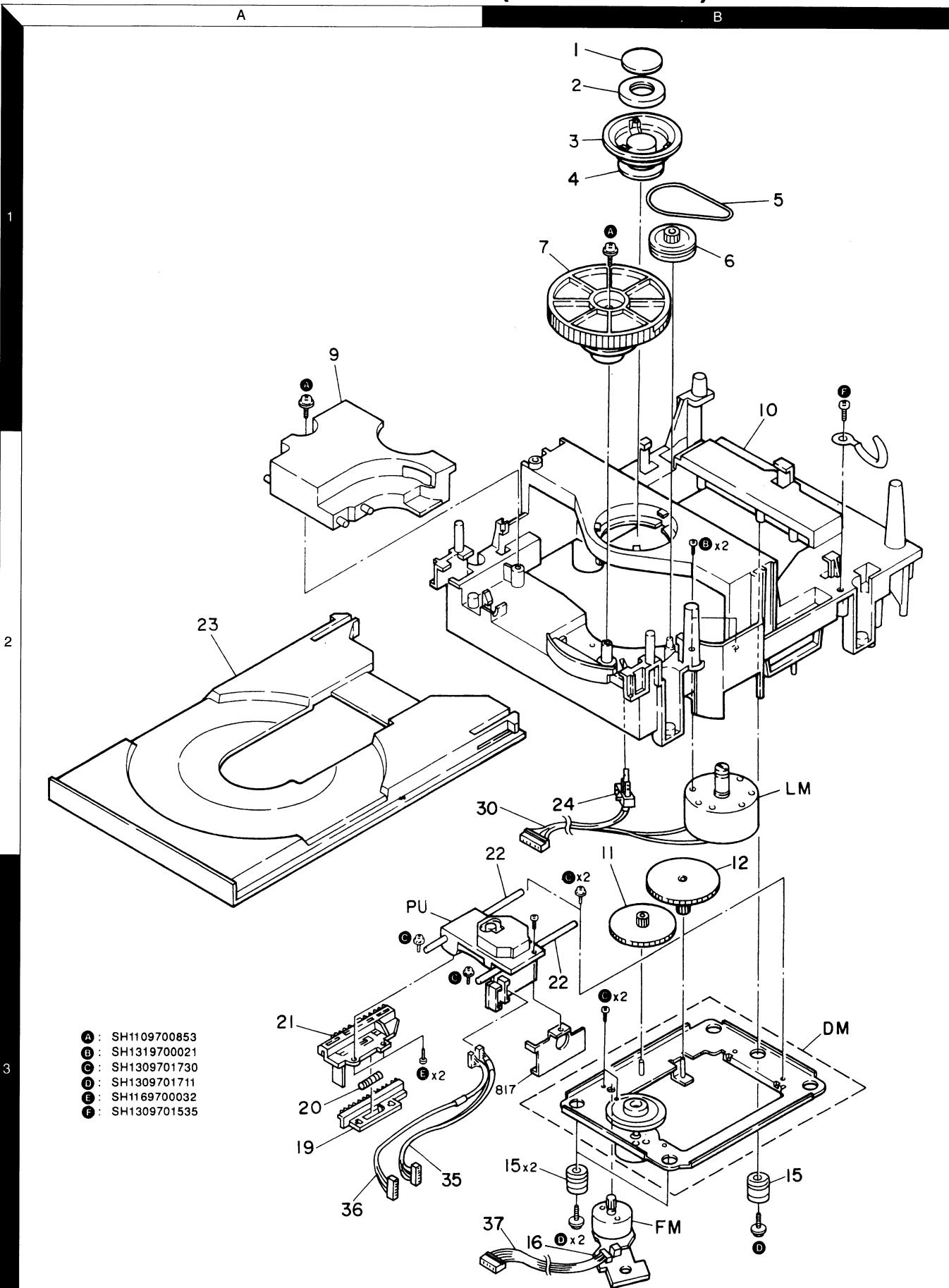
UPD75216ACW-W75



Y22-3790-00

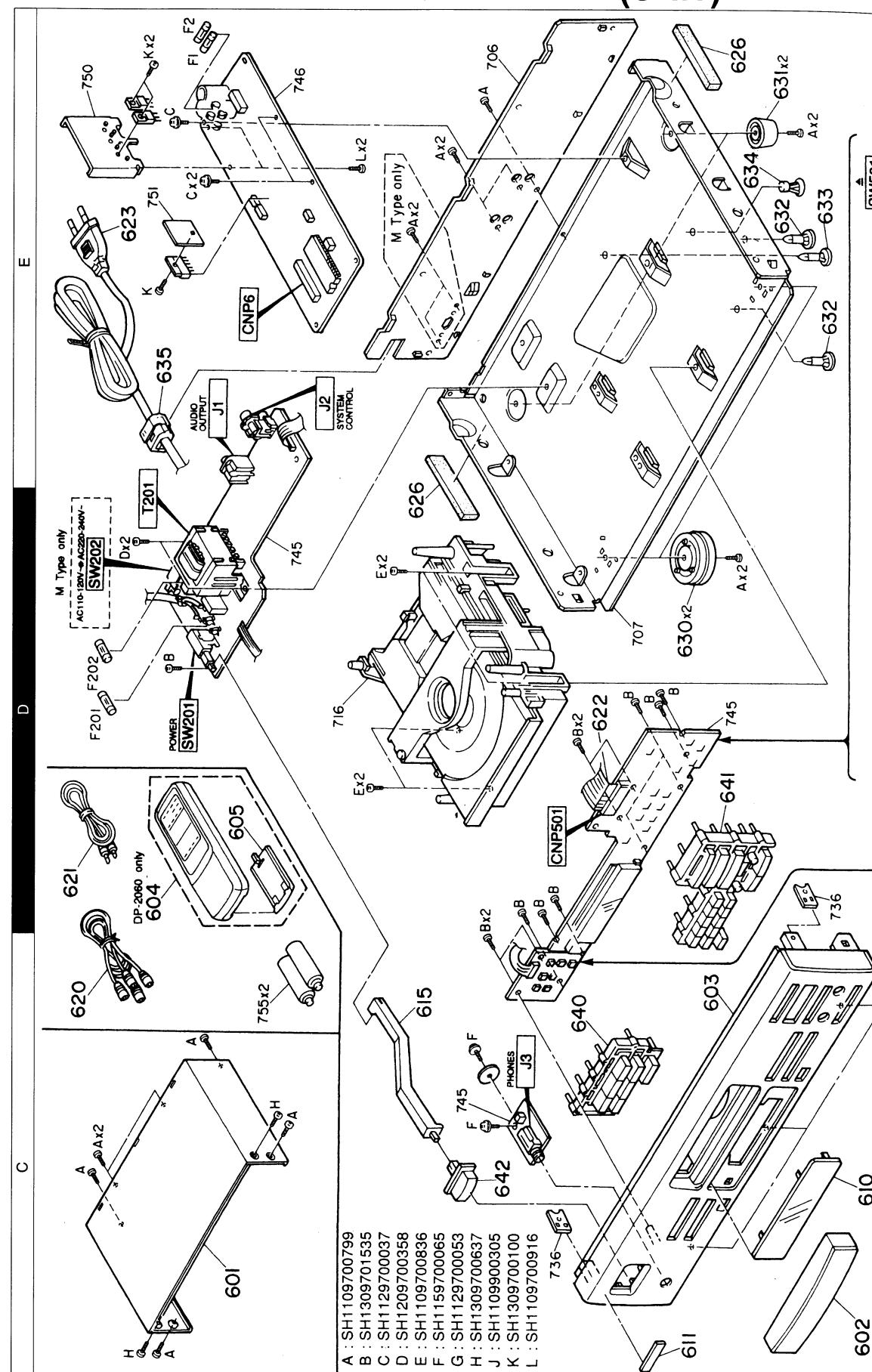
KENWOOD

EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied

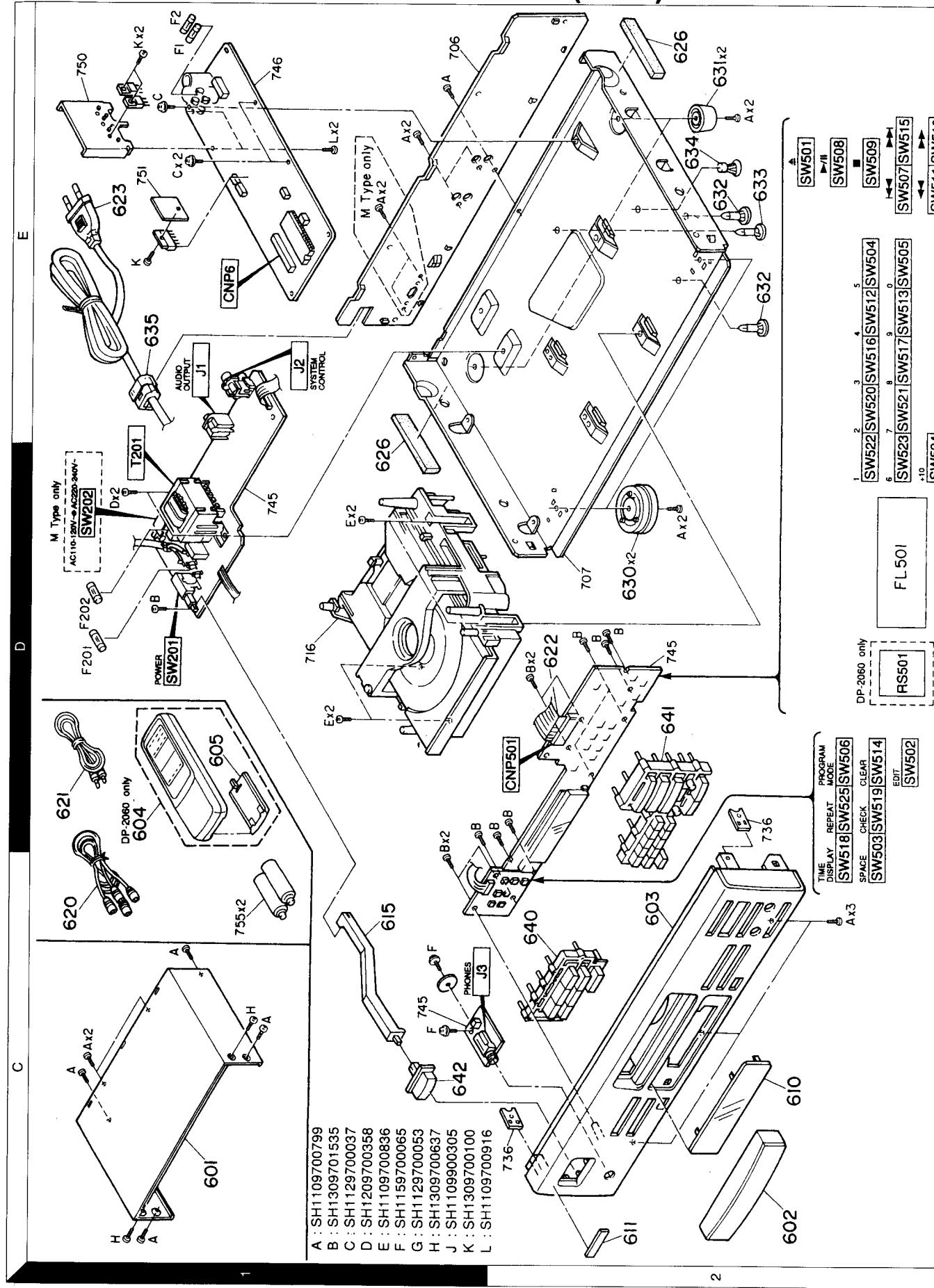
EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied

EXPLODED VIEW (UNIT)

PARTS LIST



* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.

* New Parts
Parts without Parts No. are not supplied.

Ref. No.	参照番号	Address	部品番号	部品名 / 規格	Description	部品名 / 規格	Desti- nation	Re- marks	
Ref. No.	参照番号	New Parts	Parts No.	部品番号	部品名 / 規格	Description	部品名 / 規格	Desti- nation	Re- marks
DP-1060/DP-2060									
601	1C	*	A01-3205-08	METALLIC CABINET					
602	2C	*	A29-0388-08	PANEL (TRAY)	(DP-2060)				
603	2C	*	A60-0685-08	PANEL	(DP-1060)				
603	2C	*	A60-0686-08	PANEL	(DP-2060)				
604	1D	*	A70-0983-05	REMOCON ASSY	(DP-2060)				
605	1D	*	A09-1077-08	BATTERY COVER	(DP-2060)				
610	2C	*	B10-2077-08	FRONT GLASS					
611	2C	*	B43-0281-04	KENWOOD BADGE					
-	-	*	B60-1688-08	INSTRUCTION MANUAL(ENGLISH)					
-	-	*	B60-1689-08	INSTRUCTION MANUAL(FIRE)					
-	-	*	B60-1682-08	INSTRUCTION MANUAL(E/S/C)					
-	-	*	B60-1683-08	INSTRUCTION MANUAL(F/D/V/S)					
-	-	*	B60-1684-08	INSTRUCTION MANUAL(GERMAN)					
-	-	*	B60-1685-08	INSTRUCTION MANUAL(SPANISH)					
-	-	*	B60-1935-08	INSTRUCTION MANUAL(TITAN)					
615	1C	*	D21-1780-08	EXTENSION SHAFT					
620	1C	*	E30-0505-05	AUDIO CORD					
621	1D	*	E30-2733-05	CORD WITH PLUG					
622	1E	*	E30-2734-08	FLAT CABLE					
623	1E	*	E30-0459-05	AC POWER CORD					
623	1E	*	E30-0974-05	AC POWER CORD					
623	1E	*	E30-2750-08	AC POWER CORD					
623	1E	*	E30-2753-08	AC POWER CORD					
626	10,2E	*	G10-0199-08	CHASSIS CUSHION					
-	-	*	H10-5982-08	POLYSTYRENE FORMED FIXTURE					
-	-	*	H25-1542-08	POLYSTYRENE FORMED FIXTURE					
-	-	*	H50-11159-08	PROTECTION BAG					
-	-	*	H50-11159-08	ITEM CARTON CASE(DP-2060)					
-	-	*	H50-11159-08	ITEM CARTON CASE(DP-2060)					
-	-	*	H50-11160-08	ITEM CARTON CASE(DP-2060)					
-	-	*	H50-11161-08	ITEM CARTON CASE(DP-1060)					
-	-	*	H50-11162-08	ITEM CARTON CASE(DP-1060)					
630	2D	*	J02-1034-05	F00T					
631	2E	*	J02-1120-08	F00T					
632	2E	*	J19-3177-08	UNIT HOLDER					
633	2E	*	J19-3178-08	UNIT HOLDER					
634	2E	*	J19-3179-08	UNIT HOLDER					
635	1E	*	J42-0083-05	AC CORD BUSHING					
-	-	*	SH1309330057	NYLON BAND					
640	2C	*	K29-6074-08	KNOB					
641	2D	*	K29-6075-08	KNOB	(POWER)				
642	1C	*	K29-6076-08	KNOB	(POWER)				
644	1D	*	L07-1867-08	POWER TRANSFORMER					
T201	1D	*	L07-1868-08	POWER TRANSFORMER					
T201	1D	*	L07-1869-08	POWER TRANSFORMER					
T201	1D	*	L07-1870-08	POWER TRANSFORMER					
A	*	SH1109700299	SCREW						
B	*	SH1309701335	SCREW						
C	*	SH1129700037	SPECIAL SCREW						

 indicates safety critical component

A	Indicates studies, areas, or topics
L	Scandinavia
P	USA
T	England
E	Europe
X	Australia
M	Other Areas
Y	YAFES(Europe)
Z	YPX(Far East, Hawaii)

Aindicative method, optional

1

* New Parts
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Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation	Re- marks
参照番号	位 置	新	部品番号	部品名 / 规 格	部品番号	記
DP-1060/DP-2060						
601	1C	*	A01-3205-08	METALLIC CABINET	D	
602	2C	*	A29-0388-08	PANEL (TRAY)	E	
603	2C	*	A60-0485-08	PANEL (DP-2060)	F	
604	2C	*	A60-0486-08	PANEL (DP-1060)	G	
604	1D	*	A70-0383-05	REMOTE ASSY	H	
605	1D	*	A09-0170-08	BATTERY COVER	J	
610	2C	*	B10-2077-08	FRONT GLASS	K	
611	2C	*	B43-0287-04	KENWOOD BADGE	L	
-	-	*	B60-1680-08	INSTRUCTION MANUAL (ENGLISH)	C2	
-	-	*	B60-1681-08	INSTRUCTION MANUAL (ENG/FRE)	C3	
-	-	*	B60-1682-08	INSTRUCTION MANUAL (ES/PT)	C4	
-	-	*	B60-1683-08	INSTRUCTION MANUAL (E/F/D/I/S)	C5	
-	-	*	B60-1684-08	INSTRUCTION MANUAL (GERMAN)	C6	
-	-	*	B60-1685-08	INSTRUCTION MANUAL (SPANISH)	C7	
-	-	*	B60-1935-05	INSTRUCTION MANUAL (TITAN)	C8	
615	1C	*	D21-1780-08	EXTENSION SHAFT	C9	
620	1C	*	E30-0505-05	AUDIO CORD	C10	
621	1D	*	E30-2233-05	CORD WITH PLUG	C11	
622	2D	*	E35-1456-08	FLAT CABLE	C12	
623	1E	*	E30-1459-05	AC POWER CORD	C13	
623	1E	*	E30-094-05	AC POWER CORD	C14	
623	1E	*	E30-2750-08	AC POWER CORD	C15	
623	1E	*	E30-2753-08	AC POWER CORD	C16	
626	10, 2E	*	G10-0199-08	CHASSIS CUSHION	C17	
-	-	*	H10-562-08	POLYSTYRENE FOAMED FIXTURE	C18	
-	-	*	H10-562-08	POLYSTYRENE FOAMED FIXTURE	C19	
-	-	*	H10-563-08	PROTECTION BAG	C20	
-	-	*	H50-1154-08	ITEM CARTON CASE (DP-2060)	C21	
-	-	*	H50-1159-08	ITEM CARTON CASE (DP-2060)	C22	
-	-	*	H50-1160-08	ITEM CARTON CASE (DP-1060)	C23	
-	-	*	H50-1161-08	ITEM CARTON CASE (DP-1060)	C24	
-	-	*	H50-1162-08	ITEM CARTON CASE (DP-1060)	C25	
630	2D	*	J02-1334-05	FOOT	C26	
631	2E	*	J19-3137-08	FOOT HOLDER	C27	
633	2E	*	J19-3138-08	UNIT HOLDER	C28	
634	2E	*	K29-6074-08	KNOB	C29	
634	2E	*	K29-6075-08	KNOB (POWER)	C30	
635	1E	*	J42-0083-05	AC CORD BUSHING	C31	
640	2C	*	K29-6074-08	KNOB	C32	
641	2C	*	K29-6075-08	KNOB	C33	
642	1C	*	K29-6076-08	UNIT HOLDER	C34	
642	1C	*	K29-6076-08	UNIT HOLDER	C51	
644	1C	*	L07-1867-08	POWER TRANSFORMER	C52	
644	1C	*	L07-1869-08	POWER TRANSFORMER	C53	
644	1C	*	L07-1870-08	POWER TRANSFORMER	C54	
644	1C	*	SH109707799	SCREW	C55	
644	1C	*	SH130770535	SPECIAL SCREW	C56	
644	1C	*	SH112970037		C57	
644	1C	*	SH112970037		C58	
T201	1D	*	L07-1868-08	POWER TRANSFORMER	C70	
T201	1D	*	L07-1869-08	POWER TRANSFORMER	C71	
T201	1D	*	L07-1870-08	POWER TRANSFORMER	C72	
A	B	*	SH109707799	SCREW	C73	
A	B	*	SH130770535	SPECIAL SCREW	C74	
A	C	*	SH112970037		C75	
A	C	*	SH112970037		C76	
A	C	*	SH112970037		C77	
L:Scandinavia Y:PX(Far East, Hawaii) Y:AAFE(Europe)						
K:USA P:Canada E:Europe X:Australia M:Other Areas						
G:Germany R:Mexico						
△ indicates safety critical components.						

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation	Re- marks
参照番号	位 置	新	部品番号	部品名 / 规 格	部品番号	記
DP-1060/DP-2060						
C96		*	CC41DSL1H100J	CYLIND CHIP C 1.0PF	L251-253	
C97		*	CC41DSL1H18R20J	CYLIND CHIP C 8.2PF	X1	
C98		*	CK45FB1H032M	ELECTRO	X1	
C100		*	CE04KVA1A70M	CERAMIC	R1	
C103	104	*	CK45DB1H1732	CERAMIC	R2	
C105	108	*	CK41DB1H221K	CYLIND CHIP C 22.0PF	R3	
C109	110	*	CK41DB1H101K	CYLIND CHIP C 10.0PF	R4	
C113	114	*	CK45FB1H032M	ELECTRO	R5	
C151		*	CE04KVA1E222M	CYLIND CHIP C 0.022UF	R6	
C152		*	CE04KVA1E232Z	ELECTRO	R7	
C153	154	*	CE04KVA1E232Z	ELECTRO	R8	
C155	156	*	CE04KVA1E232Z	ELECTRO	R9	
C157	158	*	CE04KVA1E232Z	ELECTRO	R10	
C159	161	*	CE04KVA1E232Z	ELECTRO	R11	
C162		*	CE04KVA1A70M	ELECTRO	R12	
C163		*	CE04KVA1E221M	ELECTRO	R13	
C164		*	CE04KVA1E221M	ELECTRO	R14	
C165		*	CE04KVA1E101M	ELECTRO	R15	
C166		*	CE04KVA1E101M	ELECTRO	R16	
C167	168	*	CE04KVA1E103Z	ELECTRO	R17	
C169		*	CE04KVA1H732	ELECTRO	R18	
C170		*	CE04KVA1H732	ELECTRO	R19	
C171		*	CE04KVA1H732	ELECTRO	R20	
C172C, 173	C	*	CE04KVA1H101M	ELECTRO	R21	
C201	202	*	CE04KVA1H101M	ELECTRO	R22	
C203	204	*	CC45FSL11471M	CERAMIC	R23	
C207	208	*	CC45FSL11471M	CERAMIC	R24	
C209	210	*	CK45FB1H103Z	CERAMIC	R25	
C211	212	*	CK45FB1H1732	CERAMIC	R30	
C213	214	*	CK45FB1H1732	CERAMIC	R32	
C215		*	CK45FB1H103Z	CERAMIC	R33	
C251	252	*	CK45FB1H103Z	CERAMIC	R34	
C253		*	CK45FB1H1732	CERAMIC	R41	
C301		*	E40-3971-05	FLAT CABLE CONNECTOR	R51	
CNB-6	1E	*	E40-4211-05	FLAT CABLE CONNECTOR	R52	
CP501	2D	*	E6-0112-08	MANIFOLD JACK (AUDIO OUTPUT)	R53	
J1	1E	*	E6-0112-08	MANIFOLD JACK (AUDIO OUTPUT)	R54	
J2	1E	*	E6-0112-08	MANIFOLD JACK (PHONE JACK (SYS/CON))	R55	
J3	1C	*	E11-0358-08	PHONE JACK (PHONE)	R56	
F1	1E	*	F05-0516-05	FUSE	R57	
F1	1E	*	F05-0061-08	FUSE	R58	
F1	1E	*	F05-1014-05	FUSE	R65	
F1	1E	*	F05-1026-05	FUSE	R67	
F1	1E	*	F05-0051-08	FUSE	R69	
F202	1D	*	F05-2015-05	FUSE	R70	
FH201, 202		*	J13-0075-05	FUSE HOLDER	R71	
L1	, 2	*	L40-8281-17	CHOKE COIL	R72	
L5		*	L40-8281-17	CHOKE COIL	R77	
L7		*	L40-8281-17	CHOKE COIL	R79	
L9		*	L40-8281-17	CHOKE COIL	R81	
L:Scandinavia Y:PX(Far East, Hawaii)<						

PARTS LIST

Ref.	No.	Address	New 部品 番号	Parts No.	Description	部品 番号	規格	Desti- nation 地	Re- marks 備考
MECHANISM PARTS									
Q11	Q201-204	RS501	2D	2SB1237R3 DTCL1AY8 2SC2778B W02-1174-05	TRANSISTOR TRANSISTOR TRANSISTOR ELECTRIC MODULE	(DP-2060)			
1	1B	T50-1067-08			MAGNET SUPPORT				
2	1B	SH1313730001	*		MAGNET				
3	1B	SH110214396			MAGNET HOLDER				
4	1B	G13-042-08			MAGNET CUSHION				
5	1B	D16-0362-08			DRIVE BELT				
6	1B	D15-0364-08			DRIVE PULLEY				
7	1B	SH1102810098			PINION GEAR				
10	1B	A11-1021-08			LOADING CHASSIS				
11	2B	SH1302810228			GEAR (MIDDLE)				
12	2B	SH1302810229			GEAR (DRIVE)				
15	3B	SH1302810448	*		CUSHION				
16	3B	SH1302810248	*		PUSH ANITCH (SLT)				
19	3A	SH1302810332	*		GEAR (ACK MOVE)				
20	3A	SH125580244	*		SPRING (RACK)				
21	3A	SH1302810231	*		GEAR (CRACK FIX)				
22	2B, 3B	SH1302900394			SHAFT (GUIDE)				
23	2A	SH1102140395			DISC TRAY				
24	2B	S74-0027-08			LEAF SW (OPEN/CLOSE)				
30	2B	E35-1053-08			WIRING HARNESS				
35	3A	E35-1050-08	*		WIRING HARNESS				
36	3A	E35-1051-08	*		WIRING HARNESS				
37	3B	E35-1052-08	*		WIRING HARNESS				
A		SH11027700053			SPECIAL SCREW				
B		SH13197000021			SPECIAL SCREW				
C		SH1309701730			SCREW				
D		SH1309701711			SCREW+ WASHER 3R2W13-1S				
E		SH1167700032			SCREW				
F		SH1309701735			SCREW				
DH		SH1309700057			DISC MOTOR				
FM		SH1256300127			FEED MOTOR				
LM		SH1102300200			MOTOR				
PU		T25-0032-08			CD PICKUP ASSY				

Ref. No.	參照番号	Address New Parts	部品番号	Parts No.	Description	部品名 / 規格	備考	Desti- nation (在)
R82			RD41DB2B472J	CARBON	4.7K	J 1/8W		
R83	-87		RD41DB2B483J	CARBON	68K	J 1/8W		
R84	,89		RD41DB2B104J	CARBON	100K	J 1/8W		
R82			RD41DB2B104J	CARBON	330	J 1/4W		2060
R82			RD41DB2B104J	CARBON	100K	J 1/8W		
R97			RD41DB2B222J	CARBON	2.2K	J 1/8W		
R101-104			RD41DB2B103J	CARBON	10K	J 1/8W		
R105-108			RD41DB2B322J	CARBON	3.3K	J 1/8W		
R109-112			RD41DB2B483J	CARBON	18K	J 1/8W		
R113,114			RD41DB2B104J	CARBON	100K	J 1/8W		
R156			RD41DB2B101J	CARBON	100	J 1/8W		
R158-161			RD41DB2B471J	CARBON	470	J 1/8W		
R162-169			RD41DB2B470J	CARBON	47	J 1/8W		
VR1			R12-2048-08	TRIMMING POT(6.8K)	<T. BALANCE>			
VR2			R12-1619-05	TRIMMING POT(4.7K)	<T.GAIN>			
VR3			R12-3635-05	TRIMMING POT(10K)	<F.GAIN>			
VR4			R12-5561-05	TRIMMING POT(100K)	<VC0>			
SW10			SH1305301218	SWITCH (TEST MODE)				
SW201			S68-0036-08	SWITCH (POWER)				
SW501-525			SH1305301218	SWITCH (VOLTAGE)				
D1	-5		ISS133T	DIODE				
D7			ISS133T	DIODE				
D9	,10		ISS133T	DIODE				
D11	,12		RL104T	DIODE				
D13			* 11854T	DIODE				
D14	-18		ISS133T	DIODE				
D201,202			ISS133T	DIODE				
D501-509			ISS133T	DIODE				
FL501		2D	10-B-77GK	INDICATOR TUBE				
ZD2	-4		* MT29R1A	ZENER DIODE				
ZD5			* MT2330B	ZENER DIODE				
ZD6	,7		* MT26RBB	ZENER DIODE				
IC1			LA9211M	IC				
IC2			LC7681E	IC				
IC3			TC9468P	IC				
IC4			μPD7216ACW-W75	IC				
IC5			PST000D	IC				
IC6			LA6224	IC(BRIDGE DRIVER)				
IC7			TA7291S	IC(VOLTAGE REGULATOR +5V)				
IC8			TA7005AP	IC				
IC9			AN78L05T	IC				
IC10			AN78L05T	IC				
IC11			NJM5600	IC(OP AMP X2)				
IC12			NJM558M	IC(OP AMP X2)				
IC13			NJM5600	IC(OP AMP X2)				
IC4			DTC14YS	TRANSISTOR				
IC5			DTC14YS	TRANSISTOR				
Q5			2SA1015GR	TRANSISTOR				
Q7			2SC7405SR	TRANSISTOR				
Q8			2SA333SR	TRANSISTOR				
Q9			2SD012	TRANSISTOR				
Q10			2SB1375	TRANSISTOR				

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Alle ohne Parts No. werden nicht geliefert.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Pa-
Telle ohne Parts No. werden nicht gelie-

 indicates safety critical components

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